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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Gary Lynn Eesley

Serial No.: 09/804,756

Group Art Unit: 3743

Filed: March 13, 2001

Examiner: Patel, Nihir B.

For: HIGH PERFORMANCE HEAT EXCHANGE ASSEMBLY

AMENDMENT

Box Non-Fee Amendment
Assistant Commissioner for Patents
Washington, DC 20231

RECEIVED

JUL 29 2002

TECHNOLOGY CENTER R3700

Dear Sir:

In response to the Office Action from the Examiner dated 05/21/02, Paper No. 1, please amend the specification and claims as follows and consider the accompanying remarks. Versions of the specification and claims as originally filed having necessary markings to show the changes made are attached at end as required under 37 CFR § 1.121.

IN THE SPECIFICATION:

On page 7, please replace the second full paragraph (which continues to page 8 and begins with "In preferred heat sinks...") with the following:

A1
In preferred heat sinks of the present invention, the fin spacing and fin (and foam) height are optimized according to the following formulas. Based on heat transfer considerations, the optimum fin height (as shown in Fig. 2a), b , is determined using the relation,

$$b = 0.6498 \sqrt{\frac{k_f \delta_f}{h}} \quad (1)$$